

POWER DISTRIBUTION AND BIASING IN RF SWITCH-MODE POWER AMPLIFIERS

ABSTRACT OF THE DISCLOSURE

Methods of and apparatus for distributing power and biasing RF PAs. A power distribution network includes a pre-final amplifier stage power distribution network and a final amplifier stage power distribution network. The pre-final amplifier stage power distribution network includes one or more pre-final amplifier stage power distribution branches, which may be configured to distribute power from one or more pre-final amplifier power supplies to one or more pre-final amplifier stages. Each pre-final amplifier stage power distribution branch comprises a π C-R-C network coupled to an inductive load. A final amplifier stage power distribution network is configured to distribute power from a final amplifier stage power supply to a final stage of the amplifier circuit.